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\fr	1 M.R. SCHROEDER et al., "Code-Excited L									et al., "Coo	le-Excited Li	ine	ear Prediction (CELI	P): High-Q	uality Speech at	Very Low	Bit	
,				R	Rates", Proc. ICASSP, pp. 937-940 (1985).													
			2	R	. SA	LA	MI	et a	l., "	8KBIT/SAG	CELP Coding	g o	of Speech With 10 M	IS Speech-	Frame: A Candi	date for CC	ITT	
				S	tand	ardi	izati	on"	, IC	ASSP, pp. 1	II-97 to II-100	0 ((1994).					
			3	L	IND	Еe	t al.	, "A	n A	algorithm Fo	or Vector Qua	an	tizer Design", IEEE	Transactio	ns On Commun	ications, V	ol. Com-	
				2	8, N	o. 1	, pp	.84-	95	(1980).								
, b			4	M	1IKI	et a	al., '	'A F	PITO	CH SYNCE	IRONOUS II	N	NOVATION CELP	(PSI-CELP) CODER FOR	2-4 KBIT/S	S", 1994,	
				II	EEE,	, pp	. II-	13 t	o II	-116 (1994)).	•			·			
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			A	nne	x D:	: 64	kbi	t/s S	ACELP spec	ech coding al	gorithm, published S	September 19	998.			
	1	6	s	ALA	MI	et	al., '	'Rea	l-Time Imple	ementation of	a 9.6Kbit/s ACELP	Wideband S	peech Coder."	Proceeding	s of the	
		-	G	loba	ıl Te	elec	omr	nuni	cations Conf	erence, U.S.	New York, IEEE, vo	l, 1992, pa	ges 447-451.			
	1	7	K	IM	et al	l., ".	A C	omp	lexity Reduc	tion Method	for VSELP Coding U	Jsing Overla	pped Sparse Ba	sis Vectors	."	
			P	roce	edir	ngs	of th	ne In	ternational C	Conference on	Sigal Processing Ap	plication an	d Technology,	October 18	, 1994.	
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Workshop on Speech Coding for Telecommunications, U.S., Boston, Kluwer, vol, 1989, pages 87-96.																
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	_	L	al., 1996 IEEE 46th Vehicular Technology Con								nference, Mobile Technology for the Human Race (Cat. No. 96CH						
			3:	5894	1), A	pri	1 28	to N	1ay 1, 1996	, pages 198-20	2, vol. 1.						
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